COMP 412, Fall 2017
Compiler Construction for Undergraduates

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Office hours will be announced on the class discussion site.

Course Objectives: Student will develop a fundamental understanding of the issues that arise in program translation, including syntax analysis, translation, and rudimentary program optimization. This course is mutually exclusive with COMP 506; a student may only receive credit for one of COMP 412 and COMP 506.

The programming assignments will help students develop facility with the creation and manipulation of abstract program representations.

Exam questions will be drawn from both the book & the lectures.

Assignments & Grading Policies: The course will have a midterm exam, a scheduled final exam, and three programming assignments, or "labs". Each lab has a detailed handout that describes the assignment in depth. The assignments will be weighted for the final grade as follows:

Exams		***Programming Assignments***	
Midterm exam	25%	Lab 1	18%
Final exam	25%	Lab 2	14%
		Lab 3	18%

Exams are given under the Rice Honor Code.

Students are encouraged to discuss the programming assignments with each other. However, all code submitted for the lab, other than standard libraries, must be written by the individual student. (Questions on this issue should be posted to the discussion site.)

Textbook: *Engineering a Compiler, 2nd Ed.,* by Cooper and Torczon
Several copies will be on reserve in Fondren Library.

Discussion Site: COMP 412 will use a Piazza site for questions about assignments, tests, and general class discussion. If you do not receive an email invitation to Piazza, send email to one of the instructors.

Course Web Site: http://www.clear.rice.edu/comp412

Lecture notes, handouts for the programming assignments, and announcements will be posted to the web site. Any changes to policies will be posted on the course web site and on Piazza.

Notice: Any student with a disability requiring accommodations in this class should contact one of the instructors or Rice's Coordinator for Disability Support Services, Alan Reynolds.